

Amendments to the Claims

1. **(Original)** A room-bounding structure comprising:
 - a rigid sheet, which is substantially impermeable to moisture; and
 - a spacer protrusion extending from a first surface of the rigid sheet, the protrusion being rigidly formed from the rigid sheet,
 - wherein contact between the spacer protrusion and a rigid surface sheet forms an air channel on the first surface side of the rigid sheet for ventilating air through the structure.
2. **(Original)** A structure according to claim 1 further comprising a plurality of spacer protrusions distributed over the area of the rigid sheet.
3. **(Original)** A structure according to claim 1 further comprising: a distribution duct with at least one opening for introducing ventilating air to the structure.
4. **(Original)** A structure according to claim 3, wherein the distribution duct introduces ventilating air from a dry interior space of a building.
5. **(Original)** A structure according to claim 3, wherein the distribution duct includes a plurality of openings with progressively changing sizes configured to minimize dead space in the air channel.
6. **(Original)** A structure according to claim 3, wherein the distribution duct includes a plurality of openings, the openings ordered to be progressively closer to one another to minimize dead space in the air channel.
7. **(Original)** A structure according to claim 3 further comprising: a collection duct with at least one opening for removing ventilating air from the structure, wherein the distribution duct is located at an edge of the structure and the collection duct is located at an edge of the structure

opposite from the distribution duct.

8. (Original) A structure according to claim 7, wherein the structure is at least part of a wall structure, and the distribution duct is arranged in a lower part of the wall structure and the collector duct is arranged in an upper part of the wall structure.

9. (Original) A structure according to claim 7, wherein the structure is part of a wall structure, and the distribution duct is arranged in an upper part of the wall structure and the collector duct is arranged in a lower part of the wall structure.

10. (Original) A structure according to claim 1 further comprising: a collector duct with at least one opening for removing ventilating air from the structure.

11. (Original) A structure according to claim 10, wherein the collector duct removes ventilating air from the structure to a mechanical air extractor.

12. (Original) A structure according to claim 11, wherein the collector duct removes ventilating air from the structure to a mechanical air extractor that also ventilates air from a bathroom.

13. (Original) A structure according to claim 10, wherein the collection duct includes a plurality of openings with progressively changing sizes configured to minimize dead space in the air channel.

14. (Original) A structure according to claim 10, wherein the collection duct includes a plurality of openings, the openings ordered to be progressively closer to one another to minimize dead space in the air channel.

15. (Original) A structure according to claim 1, wherein the spacer protrusion is in

contact with mineral board.

16. (Original) A structure according to claim 1, wherein the spacer protrusion is in contact with a coated steel plate.

17. (Original) A structure according to claim 1, wherein the structure includes a wall and at least one of a floor and ceiling.

18. (Original) A structure according to claim 1 further comprising: a spacer protrusion on a second surface of the rigid sheet, wherein contact between the spacer protrusion and another rigid surface sheet forms an air channel on the second surface side of the rigid sheet.

19. (Original) A structure according to claim 18, wherein the spacer protrusion on the second surface is rigidly formed from the rigid sheet.

20. (Original) A structure according to claim 18, wherein the spacer protrusion on the second surface is an edge flange bent into the edge of the another rigid surface sheet.

21. (Original) A structure according to claim 18 further comprising a plurality of spacer protrusions on the second surface distributed over the area of the rigid sheet.

22. (Original) A structure according to claim 18, wherein the spacer protrusion on the second surface is in contact with mineral board.

23. (Original) A structure according to claim 18, wherein the spacer protrusion on the second surface is in contact with a sheet that is at least part organic building board.

24. (Original) A structure according to claim 18, wherein the spacer protrusion on the second surface is in contact with a coated steel plate.

25. (Original) A structure according claim 1 further comprising: an attachment flange connected to an edge of the rigid sheet, and configured to attach to an adjacent structure to form a rigid unified structure.

26. (Original) A structure according to claim 1 further comprising: a sensor capable of providing a measure of the moisture content of the ventilating air.

27-46. (Canceled)